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PATENT & TRADEMARK OFFICE

in re

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

KAZUHIRO HAYAKAWA ET AL.

Application No.: 10/777,108

Filed: February 13, 2004

For: SUBSTRATE PROCESSING METHOD
AND INK JET RECORDING HEAD
SUBSTRATE MANUFACTURING
METHOD

Examiner: Unassigned

Group Art Unit: Unassigned

May 3, 2004

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. In accordance with the OG Notice dated August 5, 2003, entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003," copies of only the listed foreign documents are enclosed.

The Examiner's attention is also directed to the following U.S. Application, a copy of which is enclosed:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/745,608	Kazuhiro Hayakawa Makoto Terui	December 29, 2003	2853	Pending

Japanese Laid-open Patent Application No. 6-286149 is discussed at page 1 of the specification and may be relevant for the reasons discussed therein.

Japanese Laid-open Patent Application No. 2001-10070 is discussed at page 4 of the specification and may be relevant for the reasons discussed therein.

Japanese Laid-open Patent Application No. 11-10895 is discussed at page 5 of the specification and may be relevant for the reasons discussed therein.

Japanese Laid-open Patent Application No. 11-348290 is discussed at page 18 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent No. 5,478,606 is a U.S. counterpart to Japanese Laid-open Patent Application No. 6-286149.

U.S. Patent No. 6,245,245 B1 is a U.S. counterpart to Japanese Laid-open Patent Application No. 11-10895.

U.S. Patent No. 6,390,606 B1 is a U.S. counterpart to Japanese Laid-open Patent Application No. 11-348290.

Abstracts for Japanese Patent Application Laid-Open Nos. 6-286149, 2001-10070, 11-10895 and 11-348290, obtained from a commercial database, are enclosed for the Examiner's convenience.

FORMAL MATTERS

In accordance with 37 C.F.R. § 1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Douglas W. Pinsky", is written over a horizontal line.

Attorney for Applicants

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

May 3, 2004

ATTY DOCKET NO.
00684.003591APPLICATION NO.
10/777,108APPLICANT
KAZUHIRO HAYAKAWA ET AL.FILING DATE
February 13, 2004GROUP
Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,478,606	12/1995	Ohkuma et al.			
	6,126,271	10/2000	Terui			
	6,245,245 B1	06/2001	Sato			
	6,390,606 B1	05/2002	Terui et al.			
	6,467,884 B1	10/2002	Murooka et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
JP 6-286149	10/1994	Japan			Abstract*
JP 11-10895	01/1999	Japan			Abstract*
JP 11-348290	12/1999	Japan			Abstract*
JP 2001-10070	01/2001	Japan			Abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

*Note: U.S. counterpart patent also submitted (see text of IDS).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

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